

Office Action Summary	Application No.	Applicant(s)	
	10/583,688	KIM ET AL.	
	Examiner	Art Unit	
	YEWEBDAR T. TADESSE	1792	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-3 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1 and 3 is/are rejected.
- 7) ☒ Claim(s) 2 is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 20 June 2006 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date <u>04/30/2007</u> . | 6) <input type="checkbox"/> Other: ____. |

Receipt date: 04/30/2007

10583688 / GAU: 1782

PTO/SB/21 (04-04)

Approved for use through 07/31/2008: OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/583,688
	Filing Date	June 20, 2006
	First Named Inventor	Hyung-Jun KIM
	Art Unit	1762
	Examiner Name	
Total Number of Pages in This Submission	Attorney Docket Number	1455-061789

ENCLOSURES (Check all that apply)

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Documents <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s)	<input type="checkbox"/> After Allowance communication to Technology Center (TC) <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please identify below)
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Kent E. Baldauf The Webb Law Firm
Signature	<i>Kent E. Baldauf</i>
Date	April 25, 2007

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.			
Typed or printed name	Diane Paull		
Signature	<i>Diane Paull</i>	Date	04-25-2007

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing this form, call 1-800-PTO-9199 and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /Y.T.T.

Receipt date 04/30/2007

IDS dated April 25, 2007

Attorney Docket No. 1455-061789

10583688 - GAU: 1792

UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 10/583,688 Confirmation No. 4502

Applicants : Hyung-Jun KIM et al.

Filed : June 20, 2006

Title : Cold Spray Apparatus Having Powder Preheating Device

Art Unit : 1762

Examiner :

Customer No. : 28289

INFORMATION DISCLOSURE STATEMENT
TRANSMITTED BEFORE MAILING OF FIRST OFFICE ACTION

MAIL STOP AMENDMENT

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. §§1.56, 1.97 and 1.98, Applicants hereby submit this Information Disclosure Statement together with a completed Form PTO/SB/08a.

This application is the United States national phase of PCT Application No. PCT/KR2002/003395. The International Search Report dated April 11, 2005, for the underlying PCT application identified two United States references and two Korean references. KR 99-007365 is equivalent to U.S. Patent No. 6,110,544; and KR 10-0245,231 is equivalent to U.S. Patent No. 5,855,965. The two Korean references and four U.S. references are listed on Form PTO/SB/08a. Copies of the foreign references are being submitted with this Information Disclosure Statement as well as a copy of the International Search Report. The degree of relevance for these references is indicated in the International Search Report.

The remaining references are cited on pages 2 and 3 of the instant specification.

U.S. Patent Application Publication No. US 2001/0042508 cited in the specification has now issued as U.S. Patent No. 6,502,767.

U.S. Patent Application Publication No. US 2001/0042508 has issued as U.S. Patent No. 6,502,767.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450 on April 25, 2007.

Diane Paul

(Name of Person Mailing Document)

Diane Paul

Signature

04/25/2007
Date

(W0297367.1)

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ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /Y.T.T.

Receipt date: 04/30/2007

10583688 - GAU: 1792

App. No. 10583688

IDS dated April 25, 2007

Attorney Docket No. 1455-061789

U.S. Patent Application Publication No. US 2002/0033135 has issued as U.S. Patent No. 6,722,584.

U.S. Patent Application Publication No. US 2002/0102360 has issued as U.S. Patent No. 6,444,259.

U.S. Patent Application Publication No. US 2002/0182311 has issued as U.S. Patent No. 6,592,935

U.S. Patent Application Publication No. US 2002/0182313 has issued as U.S. Patent No. 6,773,763.

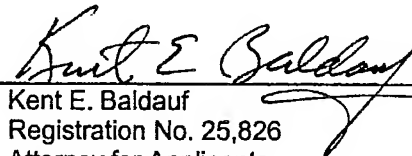
Pursuant to 37 CFR §1.98, no copies of the United States patents are enclosed.

No fee is believed to be due for the filing of this Information Disclosure Statement as it is being submitted before a first Office Action on the merits. Nevertheless, the Commissioner for Patents is hereby authorized to charge any additional fees which may be required to Deposit Account No. 23-0650. This Information Disclosure Statement is submitted in duplicate.

Respectfully submitted,

THE WEBB LAW FIRM

By

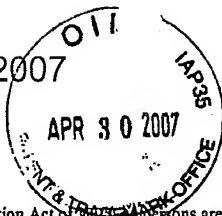


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PTO/SB/08a (07-05)

Approved for use through 07/31/2006. OMB 0651-0031

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/583,688
				Filing Date	June 20, 2006
				First Named Inventor	Hyung-Jun KIM
				Art Unit	1762
				Examiner Name	
Sheet	1	of	1	Attorney Docket Number	1455-061789

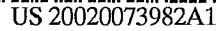
U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)				
		US-	6,464,933 B1	10-15-2002	Popoola et al.	
		US-	5,459,811 A	10-17-1995	Glovan et al.	
		US-	6,110,544 B1	08-29-2000	Yang et al.	
		US-	5,855,965	01-05-1999	Molerus et al.	
		US-	6,365,222 B1	04-02-2002	Wagner et al.	
		US-	6,491,208 B2	12-10-2002	James et al.	
		US-	6,139,913 B1	10-31-2000	Van Steenkiste et al.	
		US-	6,283,386 B1	09-04-2001	Van Steenkiste et al.	
		US-	6,502,767 B2	01-07-2003	Kay et al.	
		US-	6,722,584 B2	04-20-2004	Kay et al.	
		US-	2002/0073982A1	06-20-2002	Shaikh et al.	
		US-	6,444,259 B1	09-03-2002	Subramanian et al.	
		US-	6,592,935 B2	07-15-2003	Leonardi et al.	
		US-	6,773,763 B2	08-10-2004	Leonardi et al.	
		US-	2002/0182314A1	12-05-2002	Leonardi et al.	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)				
		KR	99-007365	A	01-25-1999	Yang et al.	Equiv. to U.S. 6,110,544	
		KR	10-0245231	B1	02-15-2000	Molerus et al.	Equiv. to U.S. 5,855,965	

Examiner Signature	/Yewebdar T Tadesse/	Date Considered	12/19/2008
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1456, Alexandria, VA 22304-1456. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1456, Alexandria, VA 22304-1456.

REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. N.Y.T.T.



(43) Pub. Date: Jun. 20, 2002

